

LIST OF CURRENT CLAIMS

Claims 1-10 cancelled.

11. (New) A pressure sensor, having

a housing, said housing defining a cavity;

a diaphragm seal, comprising

a diaphragm seal body, said diaphragm seal body being connected
to said housing, said diaphragm seal body comprising a first
surface facing said cavity, a second surface facing away from said
cavity, and a passageway extending between said first surface and
said second surface,

a separating diaphragm on which a pressure to be measured acts,
said separating diaphragm being sealingly attached to said second
surface;

a ceramic pressure measuring cell; having a ceramic base body and a
ceramic pressure measuring diaphragm; and

a metallic joint, wherein

said pressure measuring cell is sealingly fastened to said housing in said cavity by means of said metallic joint, the pressure measuring diaphragm being in fluid communication with said passageway.

12. (New) The pressure sensor of claim 11, wherein:

said housing consists of a material which has a coefficient of thermal expansion which is approximately equal to the coefficient of thermal expansion of the ceramic material of the ceramic pressure measuring cell.

13. (New) A pressure sensor, having

a housing, said housing defining a cavity;

a diaphragm seal, comprising

a diaphragm seal body, said diaphragm seal body being connected to said housing, said diaphragm seal body comprising a first surface facing said cavity, a second surface facing away from said cavity, and a passageway extending between said first surface and said second surface,

a separating diaphragm on which a pressure to be measured acts, said separating diaphragm being sealingly attached to said second surface;

a ceramic pressure measuring cell; having a ceramic base body and a ceramic pressure measuring diaphragm; and

an insert, said insert being mounted in said cavity, wherein:

said pressure measuring cell is fastened to said insert, said insert surrounding said pressure measuring cell in a pot-like manner, and the pressure measuring diaphragm being in fluid communication with said passageway.